

CLAIMS

What is claimed is:

1 1. A method comprising:
2 selecting a base frame of a compressed digital video data stream;
3 decompressing the selected base frame prior to decompressing remaining frames
4 of the compressed digital video data stream; and
5 providing the decompressed base frame to a display device for display prior to
6 decompressing remaining frames of the compressed digital video data stream.

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1 2. The method of claim 1, wherein selecting the base frame comprises
2 selecting the base frame as a result of receiving an indication to switch to a channel
3 carrying the compressed digital video data stream.

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1 3. The method of claim 1, wherein selecting the base frame comprises
2 selecting the base frame as a result of powering up.

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1 4. The method of claim 1, wherein the base frame comprises one from a
2 group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame), a
3 Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite
4 standard base frame and a reference frame.

1 5. A method comprising:

2 decompressing a compressed first digital video data stream on a first channel;

3 selecting a compressed first base frame from a compressed second digital video

4 data stream on a second channel

5 decompressing a base frame from the compressed second digital video data

6 steam;

7 buffering the decompressed base frame;

8 receiving an indication to switch from the first channel to the second channel; and

9 providing, as a result of the indication to switch to the second channel, the

10 decompressed base frame to a display device for display prior to decompressing

11 remaining frames of the compressed second digital video data stream.

1 6. The method of claim 5, wherein selecting the base frame comprises

2 selecting the base frame based, at least in part, on determining that the base frame is from

3 a television program.

1 7. The method of claim 5, further comprising buffering a most recent base

2 frame in the compressed second digital video data stream, to update the decompressed

3 base frame provided for display.

2 8. The method of claim 5, further comprising dynamically selecting the

3 second channel.

1 9. The method of claim 8, wherein the second channel is dynamically
2 selected based, at least in part, on the first channel.

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1 10. The method of claim 9, wherein the second channel comprises a channel
2 adjacent to the first channel.

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1 11. The method of claim 8, wherein the second channel is dynamically
2 selected based, at least in part, on a frequency of display of a digital video data stream on
3 the second channel.

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1 12. The method of claim 5, wherein the second channel comprises a channel
2 preset based, at least in part, on the first channel.

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1 13. The method of claim 12, wherein the second channel comprises a channel
2 adjacent to the first channel.

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1 14. A method comprising:

2 decompressing a compressed first digital video data stream on a first channel;
3 selecting a compressed first base frame from a compressed second digital video
4 data stream on a buffered channel;

5 decompressing the selected base frame prior to decompressing remaining frames
6 of the compressed second digital video data stream;

7 buffering the decompressed first base frame;

8 receiving an indication to switch from the first channel to a second channel;

9 determining whether the indication is to switch to the buffered channel;

10 if the indication is to switch to the buffered channel:

11 providing the decompressed first base frame to a display device for

12 display prior to decompressing the second digital video data stream, and

13 decompressing the compressed second digital video data stream on the

14 buffered channel; and

15 if the indication is to switch to a channel other than the buffered channel:

16 decompressing a compressed second base frame from a third digital video

17 data steam on the second channel, and

18 providing to the display device a decompressed second base frame for

19 display prior to decompressing remaining frames of the third digital video data

20 stream.

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1 15. The method of claim 14, further comprising dynamically selecting the

2 buffered channel.

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1 16. The method of claim 14, wherein the buffered channel comprises a preset

2 channel.

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1 17. An apparatus comprising:

2 a tuner selection unit to receive an indication to switch from a first channel to a

3 second channel;

4 a first tuner, coupled with the tuner selection unit, to decompress a compressed
5 first digital video data steam on a first channel; and
6 a second tuner, coupled with the tuner selection unit, to decompress a base frame
7 from a compressed second digital video data steam on the second channel, buffer the
8 decompressed base frame, and provide, as a result of the indication to switch to the
9 second channel, the decompressed base frame to a display device for display prior to
10 decompressing remaining frames of the compressed second digital video data stream.

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1 18. The apparatus of claim 17, wherein the tuner selection unit further
2 determines whether the indication is to switch to the second channel, chooses the first
3 tuner if the indication is to switch to a channel other than the second channel, and
4 chooses the second tuner if the indication is to switch to the second channel.

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1 19. The apparatus of claim 17, further comprising a predictor, coupled with
2 the second tuner, to dynamically select the buffered channel.

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1 20. The apparatus of claim 17, wherein the base frame comprises one from a
2 group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame), a
3 Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite
4 standard base frame, and a reference frame.

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1 21. A system comprising:

2 a digital video receiver to select a base frame of a compressed digital video data

3 steam, decompress the selected base frame prior to decompressing remaining frames of

4 the compressed digital video data stream, and provide the decompressed base frame to a

5 display device for display prior to decompressing remaining frames of the compressed

6 digital video data stream; and

7 the display device, coupled with the digital video receiver, to display the

8 decompressed base frame and the decompressed digital video data stream.

1 22. The system of claim 21, wherein the digital video receiver comprises a

2 computer system.

1 23. The system of claim 22, wherein the display device comprises a computer

2 monitor.

1 24. A system comprising:

2 a digital video receiver to select a compressed base frame from a compressed

3 digital video data stream on a buffered channel, decompress the selected base frame prior

4 to decompressing remaining frames of the compressed digital video data stream, buffer

5 the decompressed base frame and, if receiving an indication to switch to the buffered

6 channel, provide the decompressed base frame to a display device, for display prior to

7 decompressing remaining frames of the compressed digital video data stream; and

8 the display device, coupled with the digital video receiver, to display the
9 decompressed base frame and the decompressed digital video data stream.

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1 25. The system of claim 24, wherein the digital video receiver comprises a
2 computer system.

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1 26. The system of claim 25, wherein the display device comprises a computer
2 display screen.

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1 27. An article of manufacture comprising:
2 a machine-accessible medium including thereon sequences of instructions that,
3 when executed, cause an electronic system to:
4 select a base frame of a compressed digital video data steam;
5 decompress the selected base frame prior to decompressing remaining frames of
6 the compressed digital video data stream; and
7 provide the decompressed base frame to a display device for display prior to
8 decompressing remaining frames of the compressed digital video data stream.

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1 28. The article of manufacture of claim 27, wherein the sequences of
2 instructions that, when executed, cause the electronic system to select the base frame
3 comprise sequences of instructions that, when executed, cause the electronic system to
4 select the base frame as a result of receiving an indication to switch to a channel carrying
5 the compressed digital video data stream

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1 29. The article of manufacture of claim 27, wherein the sequences of
2 instructions that, when executed, cause the electronic system to select the base frame
3 comprise sequences of instructions that, when executed, cause the electronic system to
4 select the base frame from one of a group comprising a Motion Picture Experts Group
5 (MPEG) intra-frame (I-frame), a Motion Joint Photographic Experts Group (M-JPEG)
6 base frame, a digital satellite standard base frame and a reference frame.

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1 30. An article of manufacture comprising:
2 a machine-accessible medium including thereon sequences of instructions that,
3 when executed, cause an electronic system to:
4 decompress a compressed first digital video data steam on a first channel;
5 select a compressed first base frame from a compressed second digital video data
6 stream on a second channel
7 decompress a base frame from the compressed second digital video data steam;
8 buffer the decompressed base frame;
9 receive an indication to switch from the first channel to the second channel; and
10 provide, as a result of the indication to switch to the second channel, the
11 decompressed base frame to a display device for display prior to decompressing
12 remaining frames of the compressed second digital video data stream.

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1 31. The article of manufacture of claim 30, wherein the machine-accessible
2 medium further comprises sequences of instructions that, when executed, cause the
3 electronic system to dynamically select the second channel.

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1 32. The article of manufacture of claim 30, wherein the sequences of
2 instructions that, when executed, cause the electronic system to select the base frame
3 comprise sequences of instructions that, when executed, cause the electronic system to
4 select one from a group comprising a Motion Picture Experts Group (MPEG) intra-frame
5 (I-frame), a Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital
6 satellite standard base frame and a reference frame.